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Sheet	1	of	7	Application Number	10/652,586
				Filing Date	August 29, 2003
				First Named Inventor	Charles W. Extrand
				Art Unit	<del>3753</del> 3752
				Examiner Name	Hook
				Attorney Docket Number	2267.854US01

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code <sup>2</sup> (if known)		
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Sheet	2	of	7	Attorney Docket Number	2267.854US01
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EXAMINER INITIAL*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
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<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.</p> <p>This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</p> <p>If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.</p>					

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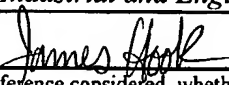
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EXAMINER SIGNATURE	<i>James Hook</i>	DATE CONSIDERED	8-19-04
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JA		H.J. BUSSCHER et al., <u>The Effect of Surface Roughening of Polymers on Measured Contact Angles of Liquids</u> , <i>Colloids and Surfaces</i> , 1984, pp.319-331			
EXAMINER SIGNATURE	James Hook			DATE CONSIDERED	8-19-04
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.</p> <p>This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</p> <p>If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.</p>					

Sheet	7	of	7	Attorney Docket Number	2267.854US01
NON PATENT LITERATURE DOCUMENTS					
EXAMINER INITIAL <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T <sup>2</sup>
JA		R. SHUTTLEWORTH et al., <u>The Spreading of a Liquid Over a Rough Solid</u> , February 23, 1948, pp. 16-22			
		J.F. OLIVER et al., <u>Resistance to Spreading of Liquids by Sharp Edges</u> <sup>1</sup> , 581, <i>Journal of Colloid and Interface Science</i> , May 1977, vol. 59, no. 3, pp. 568-579			
		T. ONDA et al., <u>Super-Water-Repellent Fractal Surfaces</u> , <i>The ACS Journal of Surfaces and Colloids</i> , May 1, 1996, vol. 12, no. 9, pp. 2125-2127			
		PHILLIP G. WAPNER et al., <u>Partial Wetting Phenomena on Nonplanar Surfaces and in Shaped Microchannels</u> , <i>Langmuir</i> , 2002, vol. 18, no. 4, pp. 1225-1230			
JA		JOONWON KIM et al., <u>Nanostructured Surfaces for Dramatic Reduction of Flow Resistance in Droplet-Based Microfluidics</u> , 2002, pp. 479-482			
EXAMINER SIGNATURE	James Hook			DATE CONSIDERED	8-19-04
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.</p> <p>This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.</p> <p>If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.</p>					